



Early Journal Content on JSTOR, Free to Anyone in the World

This article is one of nearly 500,000 scholarly works digitized and made freely available to everyone in the world by JSTOR.

Known as the Early Journal Content, this set of works include research articles, news, letters, and other writings published in more than 200 of the oldest leading academic journals. The works date from the mid-seventeenth to the early twentieth centuries.

We encourage people to read and share the Early Journal Content openly and to tell others that this resource exists. People may post this content online or redistribute in any way for non-commercial purposes.

Read more about Early Journal Content at <http://about.jstor.org/participate-jstor/individuals/early-journal-content>.

JSTOR is a digital library of academic journals, books, and primary source objects. JSTOR helps people discover, use, and build upon a wide range of content through a powerful research and teaching platform, and preserves this content for future generations. JSTOR is part of ITHAKA, a not-for-profit organization that also includes Ithaka S+R and Portico. For more information about JSTOR, please contact support@jstor.org.

GENERAL INDEX

Classified entries will be found under Contributors and Reviewers. New names and names of new genera, species, and varieties are printed in **bold face** type; synonyms in *italic*.

A

Abeliophyllum 96
Abietineae, polyembryony among 153
African plants 360
Aleurone color, inheritance in maize 407
Alpine vegetation of Central Andes 354
Alway, F. J., work of 352
Amphoromorpha 18, **Blattina** 20
Anatomy of prairie plants 272
Andes, alpine vegetation of Central 354
Antarctic and sub-antarctic vegetation 270; island vegetation 95
Aposporella 11, **elegans** 11
Apple bark, oxidase activity of 218
Apples, ripening of 273
Arber, Agnes 337, 438
Arnold Arboretum, Journal of 95
Arthur, J. M. 271
Astreptonema 20
Auerswaldia Cecropiae 248

B

Bakke, A. L., work of 185
Bamboos, Philippine 448
Barley, effect of high and low temperatures on 97
Bellamy, A. W., work of 357
Bergman, H. F., work of 354
Biological fluids, determination of 269
Bisby, G. R. 193
Blasia, spermatogenesis in 258
Blix, R., work of 356
Bouget, J., work of 533
Bower, F. O., "Joseph Dalton Hooker" 444
Boyer, G., work of 188
Braun-Blanquet, J., work of 184
Brown, J. G. 521
Brown, W. H., work of 445, 448
Buchholz, J. T. 153
Bulbils of *Lycopodium lucidulum* 426

C

Cacti, carbohydrate economy of 91
Cannon, W. A., work of 353

Cantharosphaeria chilensis 3
Capsella, suspensor of 535
Carbohydrate economy of cacti 91
Carbon dioxide, effects on roots 332
Carey, A. E., "Tidal lands" 350
Catacauma, **Ocoteae** 251; **palmicola** 251; urbanianum 252
Catacaumella **Gouaniae** 252
Catalase activity in yeast cells 356
Cellulose, action of enzymes on 533
Chamberlain, C. J. 192
Chaney, R. W., work of 192
Cheeseman, T. F., work of 95
Child, C. M., work of 187, 188, 357
Chromosome number in Sequoia, 348
Cinchona Station 347
Clayberg, H. D. 28
Coker, W. C., work of 535
Colorado grasslands 358; sedge associations in 360
Compositae, origin and development of 444
Conifers, new 536
Contributors: Arber, Agnes 337, 438; Arthur, J. M. 271; Bisby, G. R. 193; Brown, J. G. 521; Buchholz, J. T. 153; Chamberlain, C. J. 192; Clayberg, H. D. 28; Coulter, J. M. 96, 359, 360, 444, 448, 534, 535, 536; Coulter, M. C. 407, 530; Cowles, H. C. 350, 356; Crane, M. P. 348; Crocker, W. 94, 96, 356, 357, 358, 533, 534; Dorsey, M. J. 391; Duff, G. H. 341; Dupler, A. W. 402; Eaton, S. V. 260, 272, 357, 532; Fuller, G. D. 92, 95, 183, 185, 192, 270, 272, 351, 354, 358, 359, 360, 445, 447, 448, 533, 534; Goodspeed, T. H. 348; Haupt, A. W. 318; Johnson, D. S. 347; Jones, H. A. 127; Kanda, M. 54; Kraybill, H. R. 218; Langdon, LaDema M. 189, 270; Noé, A. C. 443; Noyes, H. A. 332; Overholser, E. L. 273; Phillips, T. G. 168; Rose, D. H. 218; Rose, R. C. 218; Schertz, F. M. 72; Sharp, L. W. 88, 258; Shull, C. A. 187, 361; Smith, R. W. 426; Snow, Laetitia M. 297;

Stevens, F. L. 248; Taylor, Aravilla M. 449; Taylor, R. H. 273; Thaxter, R. 1, 83; Walker, Leva B. 188; Walster, H. L. 97; Weatherwax, P. 179; Weghorst, J. H. 332; Weiss, F. 391; Willaman, J. J. 91, 190; Woodard, J. 191, 269; Wright, Gertrude 237
Coreomycetopsis 13, **aedipus** 13
 Corn, scutellum and coleoptile 179
 Correlations 357
 Costantin, J., work of 535
 Coulter, J. M. 96, 359, 360, 444, 448, 534, 535, 536
 Coulter, M. C. 407, 530
 Cowles, H. C. 350, 356; work of 184
 Crane, M. P. 348
 Crocker, W. 94, 96, 356, 357, 358, 533, 534
 Crop centers 356
 Cytology of gigantism 192

D

Date fruit, rot of 521
 Denis, M., work of 533
 Diaphragms of water plants 297
 Dicotyledonous woods, storied structure of 270
 Digby, L., work of 88
 Dimerina **monenses** 254
 Dioecism in *Thalictrum* 534
 Dixon, H. H., work of 189
 Dodge, C. W., work of 191
 Dorsey, M. J. 391; work of 269
 Dothidella, **flava** 250; **portoricensis** 249
 Duff, G. H. 341
 Dufrenoy, J., work of 359, 534
 Duggar, B. M., work of 269
 Dupler, A. W. 492
 Du Rietz, C. E., work of 184

E

East, E. M., "Inbreeding and outbreeding" 530
 Eaton, S. V. 269, 272, 357, 532
 Ecology of fossil plants 192; statistical methods in 185; terms and concepts of 183
 Ecological diversity and generic coefficients 534
 Embryo of *Verbena* 64
 Endosperm of *Verbena* 62
Endosporella 16; **Diopsidis** 16
 Engler, A., "Syllabus der Pflanzenfamilien" 443; work of 360
 Enterobryus **compressus** 24
 Environment, influence of 271
 Enzymes, action on cellulose 533
 Euler, H. V., work of 356, 358
 Eupatoriums, tropical American 535
 Exudation of water by leaves 358

F

Farlow, William Gilson, sketch of 83
 Farmer, J. B., work of 90
 Fermentation 358
 Fertilization of *Verbena* 61
 Fischer, A. F., work of 448
 Fitzpatrick, H. M., work of 535
 Flood, Margaret G., work of 358
 Flowering plants and ferns 444
 Folsam D., work of 271
 Fomes, biology of 359
 Fossil plants, ecology of 192
 Fossombronina *cristula*, life history of 318
 Fraser, H. C. I., work of 90
 Fries, T. C. E., work of 184
 Fruitfulness and weather 259
 Fuller, G. D. 92, 95, 183, 185, 192, 270, 272, 351, 354, 358, 359, 360, 445, 447, 448, 533, 534; work of 185
 Fumaria 536
 Fungi, biology and culture of 188; ecology of 359; of North Carolina 535; tyrosin in 191
 Fungus-parasites of insects 1

G

Gams, H., work of 184
 Geoglossaceae, development of 341
 Generic coefficients and ecological diversity 534
 Geotropic response, chemical and physical changes during 168
 Germination 96
 Gigantism, cytology of 192
 Gilg, E., "Syllabus der Pflanzenfamilien" 443
 Gloniella **rubra** 254
 Goodspeed, T. H. 348; work of 448
 Grass embryo 179
 Grasslands, Colorado 358
 Grégoire, V., work of 90
 Guignardia, **Justiciae** 255; **Nectandrae** 255; **Tetrazygiae** 255

H

Hall, H. M., work of 448
Halstedtia portoricensis 253
 Harper, R. M., work of 183
 Harvey, R. B., work of 357
 Hauman, L., work of 354
 Haupt, A. W. 318
 Hawkins, L. A., work of 357
 Hayden, Ada, work of 272
 Hooker, Joseph Dalton 444

I

Illick, J. S., work of 359
 Inbreeding and outbreeding 530
 Insects, fungus-parasites of 1

J

- Johnson, D. S. 347
 Johnson, J., work of 94
 Jones, D. F., "Inbreeding and outbreeding" 530; work of 531
 Jones, H. A. 127
 Jørgensen, W., work of 191

K

- Kanda, M. 54
 Kidd, F., work of 190
 Kneiffa 96
 Kraybill, H. R. 218

L

- Laboulbeniopsis** 17; **Termitarius** 17
Lactuca sativa, effects of carbon dioxide on 332
 Langdon, LaDema M. 189, 270
 Leaves, exudation of water by 358
 Lignins 534
 Liliaceae, phyllodes in 337
 Linsbauer, K., "Handwörterbuch der Botanik" 443
 Livingston, B. E., work of 532
 Lloyd, F. C., work of 96
 Lutman, B. F., work of 272
Lycopodium lucidulum, bulbils of 426

M

- McLean, R. C., work of 93, 445
 Mahoganies, identification of 189
 Maize, inheritance of aleurone color in 407; scutellum and coleoptile 179
 Maple seeds, physiological study of 127
 Markle, M. S., work of 353
 Megaspore of *Verbena* 58
 Microspores of *Verbena* 60
 Mitosis in *Osmunda* 88
 Moore, J. E. S., work of 90
 Mosses, ecological succession 449
 Mucilage, plant 96
Muiaria, curvata 10; **fasciculata** 11
Muiogone Medusae 9
 Mutation 535

N

- Nakai, T., work of 96
 Noé, A. C. 443
 North Carolina, fungi of 535
 Noyes, H. A. 332

O

- Oliver, F. W., "Tidal lands" 350
 Ophioglossaceae, pit-closing membrane in 237

- Osmotic pressure in potato 272
Osmunda, mitosis in 88
 Overholser, E. L. 273
 Ovuliferous structure of *Taxus canadensis* 492
 Oxidase activity of apple bark and salts 218

P

- Parasitism 357
 Pavillard, J., work of 183, 184
 Pears, ripening of 273
Peniophyllum 96
 Pennell, F. W., work of 96
 Pennsylvania trees 359
 Petiolar glands in plum 391
 Petoskey-Walloon Lake region, upland societies of 28
Phaeodothopsis Eupatorii 252
 Phillips, T. G. 168
 Phyllodes in Liliaceae 337
Phyllosticta bonduc 256
Physalospora Hoyae 254
 Pit-closing membrane in Ophioglossaceae 237
 Plum, petiolar glands in 391
 Polyembryony among Abietineae 153
 Porto Rican fungi 248
 Potato, osmotic pressure in 272
 Prairie plants, anatomy of 272
 Pringsheim, H., work of 533, 534
 Pugsley, H. W., work of 536
 Pulling, H. E., work of 533
 Pyrenomycetes, new genus of 535

R

- Ramaley, F., work of 358, 360
 Raunkiaer, C., work of 185
 Record, S. J., work of 270
 Rehder, A., work of 536
 Reid, F. R., work of 96
 Reviews: Bower's "Joseph Dalton Hooker" 444; Carey's "Tidal lands" 350; East's "Inbreeding and outbreeding" 530; Engler's "Syllabus der Pflanzenfamilien" 443; Gilg's "Syllabus der Pflanzenfamilien" 443; Jones's "Inbreeding and outbreeding" 530; Linsbauer's "Handwörterbuch der Botanik" 443; Oliver's "Tidal lands" 350; Schneider's "Handwörterbuch der Botanik" 443; Small's "Origin and development of Compositae" 444; Willis' "Dictionary of flowering plants and ferns" 444
 Ripening of pears and apples 273
 Robinson, B. L., work of 535
 Rocky Mountains, montane plants of 360
 Roots, effects of carbon dioxide on 332; systems of 351

Rose, D. H. 218
 Rose, R. C. 218
 Rot of date fruit 521
 Rubber, a new 448
 Rubiaceae, new genus of 536
 Rupicapnos 536
 Russell, G. A., work of 96
 Rydberg, P. A., work of 360

S

Salix 448
 Salt absorption 190
 Sayre, J. D., work of 447
 Scandium 360
 Schaffner, J. H., work of 534
 Schertz, F. M. 72
 Schneider, C., work of 448
 Schneider, C. K., "Handwörterbuch der Botanik" 443
 Seeds, physiological study of 127; temperature and rate of moisture intake 361
 Sequoias, chromosome number in 348
 Shantz, H. L., work of 352
 Sharp, L. W. 88, 258; work of 90
 Shaw, C. H., work of 533
 Shreve, E. B., work of 532
 Shull, C. A. 187, 361
 Skinner, J. J., work of 96
 Small, J., "Origin and development of Compositae" 444
 Smith, R. W. 426
 Snell, J., work of 90
 Snow and timber line 533
 Snow, Laetitia M. 297
 Soils, heated 94
 Souèges, R., work of 535
 Spermatogenesis in *Blasia* 258
 Spoehr, H. A., work of 91
 Stevens, F. L. 248
 Stiles, W., work of 190, 191
 Storied structure of dicotyledonous woods 270
 Strand plants, anatomy of 533
 Sudan grass seed, chemical analysis of 72
 Susceptibility gradients 187
 Suspensor of *Capsella* 535
 Svanberg, O., work of 358

T

Taylor, Aravilla M. 449
 Taylor, R. H. 273
Taxus canadensis, ovuliferous structures of 492
 Temperature, effect on barley 97
 Tendrils of *Smilax* 438
 Tengwall, T. A., work of 184
Termitaria 3, *Snyderi* 8, *coronata* 8
Thalictrum, dioecism in 534
 Thaxter, R. 1, 83

Thaxteriola 14; *nigromarginata* 15
 Thellung, A., work of 360
 Tide lands, ecology of 350
 Timber line and snow 533
 Tischler, G., work of 192
Trabutia Randiae 251
 Transpiration in tropical rain forests 92; method of measuring 532; studies 447
 Trees of Pennsylvania 359
 Tropical rain forests 445; transpiration in 92
 Turrill, W. B., work of 270
 Tyrosin in fungi 191

U

Uleodothis Pteridis 248
 Umbelliferae, new genus of 360
Uromyces, abbreviatus 204; amoenus 210; *bauhiniicola* 201; *Bidentis* 212; *Cupaniae* 214; *heterodermus* 200; *hyalinus* 213; *jamaicensis* 203; *montana* 214; *Myrsines* 208; *nevadensis* 207; *Pavoniae* 213; *Rudbeckiae* 211; short cycle 193; *Solidaginis* 209; *Tranzschelii* 206

V

Verbena, field and laboratory studies of 54

W

Walker, Leva B. 188
 Waller, A. E., work of 356
 Walster, H. L. 97
 Waterman, W. G., work of 353
 Water plants, diaphragms of 297
 Weather and fruitfulness 259
 Weatherwax, P. 179
 Weaver, J. E., work of 351
 Weghorst, J. H. 332
 Weiss, F. 391
 White, J. H., work of 359
 Willaman, J. J. 91, 190
 Willis, J. C., "Dictionary of flowering plants and ferns" 444
 Wilson, E. H., work of 536
 Woodard, J. 191, 269
 Wright, Gertrude 237

Y

Yamanouchi, S., work of 90
 Yeast cells, catalase activity in 356

Z

Zignoella algaphila 256